

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 09/596,429 Confirmation No. 1651  
Applicant : Goodrich, Jr. et al.  
Filed : June 15, 2000  
TC/A.U. : 1744  
Examiner : Chorbaji, Monzer R.  
For : METHODS AND APPARATUS FOR INACTIVATION  
OF BIOLOGICAL CONTAMINANTS USING PHOTSENSITIZERS  
Docket No. : 27-98B  
Customer No.: 23713


CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage for Express Mail in an envelope addressed to: Commissioner for Patents, Mail Stop Amendment, PO Box 1450, Alexandria, VA 22313-1450	
1/14/05 Date	Cathy Nelson Cathy Nelson
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## DECLARATION UNDER 1.132 OF RAYMOND PAUL GOODRICH, JR. AND DENNIS HLAVINKA

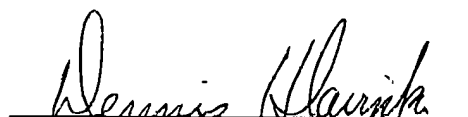
1. I have read and understood U.S. Patent Application No. 09/596,429 and U.S. Patent 6,277,337.
2. Any invention relating to a method for treating a fluid to inactivate microorganisms which may be present therein, said fluid containing one or more components selected from the group consisting of protein, blood and blood constituents, said method comprising: (a) adjusting the percentage of plasma in said fluid to a desired value; (b) mixing an inactivation-effective, substantially non-toxic amount of an endogenous photosensitizer or endogenously-based derivative photosensitizer with said fluid; (c) exposing said fluid to photoradiation of sufficient wavelength and energy to activate the photosensitizer, whereby said microorganisms are inactivated, disclosed in U.S. Patent 6,277,337 but not claimed in U.S. Patent 6,277,337 was derived from an inventor of U.S. 09/596,429.

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All statements made herein of my knowledge are true and all statements made on information and belief are believed to be true; and further, these statements are made with knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

  
RAYMOND PAUL GOODRICH, JR.

1/12/05  
Date

  
DENNIS HLAVINKA

1/12/05  
Date



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AUGUST 31, 2000

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\*101402970A\*

GREENLEE, WINNER & SULLIVAN  
SUSAN K. DOUGHTY  
5370 MANHATTAN CIRCLE, SUITE 201  
BOULDER, CO 80303

27-98B

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/15/2000

REEL/FRAME: 010908/0501  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
GOODRICH, RAYMOND PAUL, JR.

DOC DATE: 06/14/2000

ASSIGNOR:  
HLAVINKA, DENNIS

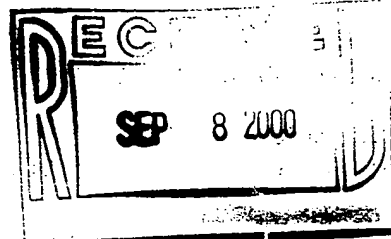
DOC DATE: 06/14/2000

ASSIGNEE:  
GAMBRO, INC.  
1201 OAK STREET  
LAKEWOOD, COLORADO 80215-4498

SERIAL NUMBER: 09596429  
PATENT NUMBER:

FILING DATE: 06/15/2000  
ISSUE DATE:

MARCUS KIRK, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



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EPW SEP 12 2000

Greenlee, Winner, Sullivan

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To the Honorable Comm.

101402970

Original documents or copy thereof

## 1. Name of conveying party(ies):

Raymond Paul Goodrich, Jr.  
Dennis HlavinkaAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of name
- ☐ Other \_\_\_\_\_

Execution Date: 6/14/00

## 2. Name and address of receiving party(ies)

Name: Gambro, Inc.Street Address: 1201 Oak StreetCity: Lakewood State: CO Zip: 80215-4498Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

09/596429

This document is being filed together with a new application on 6/15/00.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Susan K. DoughtyInternal Address: Greenlee, Winner & SullivanStreet Address: 5370 Manhattan Circle,  
Suite 201City: Boulder State: CO ZIP: 80303

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 3.41):

\$40.00

☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit Account Number 07-1969

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## 9. Statement and signature

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Susan K. Doughty  
Name of Person SigningSusan K. Doughty  
SignatureJune 15, 2000  
DateTotal number of pages including cover sheet, attachments, and document: 4Jc625 U.S. PTO  
09/596429

06/15/00

07/13/2000 MTHAI1 00000069 09596429

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40.00 OP

## ASSIGNMENT

WHEREAS, we, Raymond Paul Goodrich, Jr., 3500 E. Kentucky Avenue, Denver, CO 80209; and Dennis Hlavinka, 7365 N. Salvia Court, Golden, CO 80419 (herein called "ASSIGNORS"), are the inventors of the invention "METHODS AND APPARATUS FOR INACTIVATION OF BIOLOGICAL CONTAMINANTS USING PHOTSENSITIZERS" for which we have executed an application for a Patent of the United States, filed June 15, 2000 Serial No. \_\_\_\_\_;

WHEREAS, GAMBRO, INC. (herein called "ASSIGNEE"), organized and existing under the laws of the State of Colorado having a principal place of business at 1201 Oak Street, Lakewood, CO 80215-4498, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States Application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority of the United States under the International Union for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;



DATE

DENNIS HLAVINKA

)

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)

BEFORE ME, the undersigned authority, on this 14 day of June, 2000, personally appeared **Dennis Hlavinka**, known to me to be the person whose name is subscribed to the foregoing instrument and who acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

~~NOTARY~~

My commission expires: My Commission Expires 09/08/2001

My commission expires: My Commission Expires 09/08/2001



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## Patent Assignment Abstract of Title

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## Total Assignments: 2

**Patent #:** 6277337      **Issue Dt:** 08/21/2001      **Application #:** 09357188      **Filing Dt:** 07/20/1999

**Inventors:** RAYMOND PAUL GOODRICH JR., DENNIS HLAVINKA, FRANK CORBIN III, EDWARD C. WOOD JR.

# Title: METHOD AND APPARATUS FOR INACTIVATION OF BIOLOGICAL CONTAMINANTS USING PHOTOSENSITIZERS

## Assignment: 1

Reel/Frame: 010244/0027

**Recorded: 09/20/1999**

**Pages: 4**

**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors:** GOODRICH, RAYMOND PAUL JR.

HLAVINKA, DENNIS

CORBIN, FRANK III

WOOD, EDWARD C. JR.

**Assignee:** COBE LABORATORIES, INC.

1201 OAK STREET

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**Correspondent:** GREENLEE, WINNER & SULLIVAN

ELLEN P. WINNER

5370 MANHATTAN CIRCLE

SUITE 201

BOULDER, CO 80303

## Assignment: 2

Reel/Frame: 010783/0247

Recorded: 04/24/2000

**Pages: 3**

**Conveyance:** CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

**Assignor: COBE LABORATORIES, INC.**

**Exec Dt:** 12/31/1999



PATENT DEPARTMENT  
10810 W. COLLINS AVE.  
LAKEWOOD, COLORADO 80215

EDNA M. O'CONNOR  
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## Patent Assignment Abstract of Title

**NOTE:Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.**

**Total Assignments: 2**

**Patent #:** 6258577      **Issue Dt:** 07/10/2001      **Application #:** 09119666      **Filing Dt:** 07/21/1998

**Inventors:** RAYMOND PAUL GOODRICH JR., FRANK CORBIN III, EDWARD C. WOOD JR.

**Title:** METHOD AND APPARATUS FOR INACTIVATION OF BIOLOGICAL CONTAMINANTS USING ENDOGENOUS ALLOXAZINE OR ISOALLOXAZINE PHOTOSENSITIZERS

## Assignment: 1

Reel/Frame: 009447/0610

Recorded: 09/15/1998

**Pages: 4**

**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors:** GOODRICH, RAYMOND PAUL, JR.

CORBIN, FRANK, III

WOOD, EDWARD C., JR.

**Assignee:** COBE LABORATORIES, INC.

1201 OAK STREET

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## Assignment: 2

Reel/Frame: 010783/0247

Recorded: 04/24/2000

**Pages: 3**

**Conveyance:** CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

**Assignor: COBE LABORATORIES, INC.**

**Assignee:** GAMBRO, INC.

**Exec Dt:** 12/31/1999

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